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United States Patent [19][11] **Patent Number:** **5,499,038****DiSanto et al.**[45] **Date of Patent:** * **Mar. 12, 1996**[54] **METHOD OF OPERATION FOR REDUCING POWER, INCREASING LIFE AND IMPROVING PERFORMANCE OF EPIDS**[52] **U.S. Cl.** **345/107; 345/212; 359/296**[58] **Field of Search** **345/107, 211, 345/212; 359/296**[75] **Inventors:** **Frank J. DiSanto**, North Hills; **Denis A. Krusos**, Lloyd Harbor, both of N.Y.[56] **References Cited****U.S. PATENT DOCUMENTS**

5,053,763 10/1991 DiSanto et al. 340/787

Primary Examiner—Tommy P. Chin*Assistant Examiner*—A Au*Attorney, Agent, or Firm*—Plevy & Associates[*] **Notice:** The portion of the term of this patent subsequent to Sep. 21, 2010, has been disclaimed.[57] **ABSTRACT**

Method for operating an electrophoretic display panel in a hold mode that reduces power required, increases display life and improves performance which entails applying a voltage to the anode electrode structure during the "hold" mode of operation which is substantially lower in amplitude than the voltage applied to the anode structure during a "write" mode of operation.

[21] **Appl. No.:** **180,197**[22] **Filed:** **Jan. 11, 1994****Related U.S. Application Data**

[60] Continuation of Ser. No. 12,739, Feb. 3, 1993, abandoned, which is a division of Ser. No. 795,659, Nov. 21, 1991, Pat. No. 5,247,290.

[51] **Int. Cl.⁶** **G09G 3/34****9 Claims, 2 Drawing Sheets**